

Message Text

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PAGE 01 SEOUL 07599 080948Z
ACTION OES-07

INFO OCT-01 EA-10 ISO-00 ACDA-07 CIAE-00 INR-07 IO-13
L-03 NSAE-00 NSC-05 EB-08 NRC-05 DODE-00 SS-15
SP-02 FEA-01 /084 W
-----010211 080951Z /17

P R 080851Z SEP 77
FM AMEMBASSY SEOUL
TO SECSTATE WASHDC PRIORITY 6268
US ERDA WASHDC PRIORITY
US ERDA GERMANTWON PRIORITY
INFO AMEMBASSY TOKYO

C O N F I D E N T I A L SEOUL 7599

DEPT FOR OES/NET/RD V. ADLER

DEPT PASS NRC J. LAFLEUR

ERDA FOR SIEVERING

TOKYO FOR HENoch

E.O. 11652: GDS
TAGS: TECH, KS
SUBJECT: PUMPING EQUIPMENT PROBLEMS AT KO-RI UNIT 1

REF: SEOUL 7058

1. KO-RI UNIT 1 IS PRESENTLY SHUTDOWN FOR DISASSEMBLY OF
MAIN FEEDWATER PUMP C (ONE OF THREE 50 PERCENT CAPACITY
FEEDWATER PUMPS OF THE SECONDARY SYSTEM) TO INSPECT CRACKS
WHICH WERE DETECTED IN THE PUMP HOUSING ON SEPTEMBER 6.
AT THIS TIME NO ASSESSMENT OF THE EXTENT OF CAUSE OF
CRACKING HAS BEEN MADE BUT REPAIR OF ALL THREE OF THESE
MAJOR COMPONENTS, IF CRACKING IS FOUND TO BE DESIGN OR
MATERIAL RELATED, COULD APPRECIABLY DELAY STARTUP TEST-
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ING. APPRECIABLE DELAY WOULD NOT OCCUR IF PUMP CRACK-
ING IS RELATED TO A FLAW IN THE CASING OR OTHER UNIQUE
CAUSE.

2. EARLIER PROBLEMS WITH SECONDARY SYSTEM PUMPS INCLUDED
A) REPAIR OF FOUR CIRCULATING WATER (CONDENSER COOLING)
PUMPS WHICH HAD FAILED (BEARINGS AND GEAR TRAIN) DUE TO

CAVITATION INDUCED VIBRATION AND B) MALFUNCTION OF A SEAL WATER PUMP (DUE TO ELECTRICAL CONTROL CIRCUIT PROBLEMS) OF A MAIN FEEDWATER PUMP.

3. PUMP PROBLEMS ENCOUNTERED DURING STARTUP TESTING OF THE PRIMARY SYSTEM INCLUDE: A) EXCESSIVE WEAR OF BEARINGS ON COMPONENT COOLING PUMPS B) BEARING REPLACEMENT ON AUXILIARY WATER PUMPS C) REPLACEMENT OF RESIDUAL HEAT REMOVAL PUMPS (TWO) BECAUSE OF CORROSION IN REGION OF GRAPHITE BEARINGS.
SNEIDER

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NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: PUMPS, NUCLEAR REACTORS
Control Number: n/a
Copy: SINGLE
Sent Date: 08-Sep-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 22 May 2009
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977SEOUL07599
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: GS
Errors: N/A
Expiration:
Film Number: D770325-0230
Format: TEL
From: SEOUL
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t19770986/aaaacuga.tel
Line Count: 73
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: 8063aa4a-c288-dd11-92da-001cc4696bcc
Office: ACTION OES
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 2
Previous Channel Indicators: n/a
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: 77 SEOUL 7058
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 25-Feb-2005 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 1347195
Secure: OPEN
Status: NATIVE
Subject: PUMPING EQUIPMENT PROBLEMS AT KO-RI UNIT 1
TAGS: TECH, KS
To: STATE ERDA
Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/8063aa4a-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
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